

Waste Management Project

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Mixed Waste Treatment and Disposal



Transuranic Waste Retrieval

OVERVIEW

The Waste Management Project consists of Project Baseline Summary (PBS) RL-CP02, *200 Area Materials and Waste Management*, except for the Environmental Restoration Disposal Facility (ERDF).

NOTE: Unless otherwise noted, all information contained herein is as of the end of March 2003.

NOTABLE ACCOMPLISHMENTS

Transuranic (TRU) Waste Retrieval: The TRU Retrieval Documented Safety Analysis was transmitted to RL for approval. Completed assay training and qualifications for minimum shift compliment. The Drum Venting System (DVS) "best and final" bid was received with contract award expected in early April. Issued the following approved project documents: Fire Hazard Analysis; Quality Assurance Project Plan; Start-up Plan; and revisions of the Emergency Preparedness Contingency Plan and Project Execution Plan.

Mixed Low Level Waste (MLLW) Treatment: Completed six shipments totaling 79 cubic meters (m³) of MLLW debris and radioactive lead solids to ATG, Inc (ATG), and one shipment totaling 15 m³ to PermaFix. Received seven MLLW shipments totaling 64 m³ of macroencapsulated debris and radioactive lead solids from ATG.

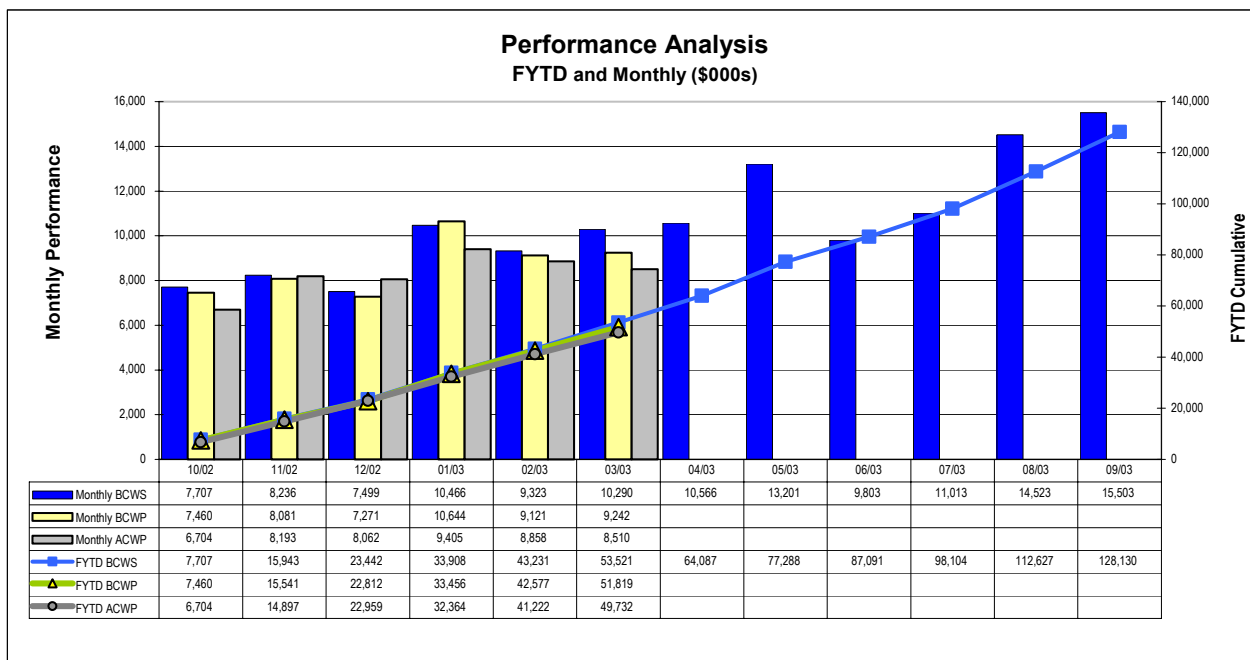
Liquid Waste Processing: The Effluent/Treatment Facility (ETF) treated 2.6 million gallons of groundwater in March. FH completed the 242-A Evaporator campaign 03-02 in March 2003. Planning is underway to transfer operation of the 242-A Evaporator to CH2M HILL Hanford Group, Inc. (CHG) in June 2003. The 300 Area Treated Effluent Disposal Facility treated and disposed of 2.7 million gallons of industrial wastewater in March, supporting the cleanout of several 300 Area facilities.

FY03 SCHEDULE/COST PERFORMANCE (\$000)

			Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
3.3.2	CP02	200 Area Materials & Waste Management	53,521	51,819	49,730	-1,702	-3	2,089	4	128,130

Schedule Performance: The unfavorable schedule variance is primarily the result of the T Plant roof repair and selected upgrades being deferred due to funding reductions, sludge receipt preparations behind schedule and disposal of 183-H waste behind due to delays in receiving the Engineering Evaluation/Cost Analysis (EE/CA). The unfavorable variance is offset by a favorable variance due to early completion of the third 242-A Evaporator campaign.

Cost Performance: The favorable cost variance is primarily the result of MLLW treatment and TRU retrieval not occurring as planned offset by a labor ramp-up for Waste Isolation Pilot Plant (WIPP) certification and shipment. The favorable variance was also offset by the Solid Waste Pool, where waste volumes have been lower than planned resulting in revenues from offsite generators being less than planned.



FY03 SCHEDULE/COST PERFORMANCE, CONTINUED MILESTONE ACHIEVEMENT

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comment
M-91-12A	Treat 240 Cubic Meters by 12/31/2002	Tri-Party Agreement (TPA) Enforceable	12-31-04		TBD	TPA renegotiation ongoing.
M-91-20	T Plant ready to rec. canister of K Basin floor pit sludge	TPA Enforceable	12-31-02		04-24-03	Revised schedule (recovery plan submitted to RL).
M-26-05J	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-03		08-31-03	On schedule
M-91-22	T Plant ready to rec. Canister & fuel wash sludge from K Basin	TPA Enforceable	02-29-04		02-29-04	On schedule
M-91-07	Complete W-113 for Post 1970 CH TRU / TRUM Retrieval	TPA Enforceable	09-30-04		TBD	TPA renegotiation ongoing.
M-26-05L	Prep Biennial Tritium Treatment Tech Evaluation Report	TPA Enforceable	08-31-05		08-31-05	On schedule

FY 2003 FH FUNDS VS. FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
RL-CP02 Waste Management	\$ 119,853	\$ 118,296	\$ 1,557
Project Completion - Operating			

ISSUES

T Plant Readiness to Receive K Basin Sludge: T Plant expects to receive authorization to begin sludge receipt on April 24, 2003. The Major Stack Designation process and canyon crane repairs are critical path. Informal liaison with the Washington State Department of Health indicates major stack approval by April 24 is possible. A Readiness Assessment In-Brief is scheduled for April 14-18, 2003.

Transuranic (TRU) Program Acceleration: FH is working to increase production rates for TRU certification and shipment to WIPP. One proposed increase is to double Headspace Gas Sampling (HSGS) throughput at T Plant. Another would be to augment Headspace Gas analytical capability through use of the Idaho National Environmental and Engineering Laboratory (INEEL). Laboratory procedure changes and implementation is expected to be in place by the end of June 2003. Staffing requisitions are in process for additional bargaining unit resources at Waste Receiving and Packaging (WRAP) to allow parallel TRU characterization efforts. DOE approved the National Environmental Policy Administration (NEPA) categorical exclusion, which authorizes HSGS activities at WRAP.

Mixed Waste Performance Incentive: Establish Commercial Mixed Waste treatment capabilities to meet performance incentives. New Requests for Proposals (RFPs) for thermal treatment have been prepared. A vendor forum was held on April 10, 2003. Two vendors have capability; however, cost and capacity remain a concern and are being evaluated to determine if an RFP is warranted. The EE/CA was transmitted to RL and entered its 30-day public comment period on March 31, 2003. The de-listing petition has been delayed due to the Environmental Protection Agency (EPA) not completing their reviews. EPA is still commenting with issuance projected in August. ATG bankruptcy proceedings were held April 9, 2003 and a 45-day stay was granted on the Oak Ridge and Richland Operations Office facilities for continued operations. The Nuclear Services contract was awarded to NUKEM, Inc.

Low Level Burial Ground Trench Capacity: Disposal capacities for Low Level Waste will be impacted in fiscal year (FY) 2003 due to delay of NEPA documentation approval. A reassessment of both waste volumes received to date, and forecast waste volumes for the remainder of the year, has been completed. Forecast disposal volumes for FY 2003 have decreased significantly (probably tied to Continuing Resolution, budget cuts, etc.). This reassessment indicates that if the Hanford Solid Waste Environmental Impact Statement Record of Decision (ROD) supporting new trench construction is obtained on the current schedule (July 2003), trench capacities are sufficient to support waste disposal activities through the end of the fiscal year. New trench construction (several unlined trenches, to provide capacity until the Integrated Disposal Facility is available) will have to commence immediately after issuance of the ROD, with start of operations early in FY 2004.